

[00052] CLAIMS

What is claimed is:

1. A system for displaying content of a second graphical application window while in a first graphical application window, the first graphical application window having input focus, in a windowed computing environment having a voice recognition engine, comprising:
  - a retriever wherein the retriever is enabled to open a specified graphical application window,
  - a focuser wherein the focuser is enabled to give input focus to a graphical application window,
  - a user command receiver wherein the user command receiver is enabled to receive commands from the voice recognition engine to retrieve a specified graphical application window,
  - an application manager, wherein the application manager, upon receipt of a command from user command receiver:
    - invokes the retriever, specifying the second graphical application,
    - invokes the focuser, specifying the first graphical application window.
2. The system of claim 1 wherein the first graphical application window and the second graphical application window are resized and positioned wherein neither graphical application window overlaps the other.
3. The system of claim 1 wherein the focuser preserves mouse position.

4. The system of claim 1 wherein the first and second graphical application windows are resized and positioned on a plurality of display monitors.
5. The system of claim 1 wherein the second graphical application window is a help application.
6. The system of claim 1 wherein the second graphical application window is an Internet browser application.
7. The system of claim 1 wherein when the second graphical application window is opened and has focus, hyperlinks in the second graphical application window are located and labeled with a unique predefined visual cue.
8. The system of claim 1 wherein the voice recognition engine further includes a command list, wherein when the second graphical application window is displayed and has focus, hyperlinks in the second graphical application window are retrieved and added to the command list.
9. A method for displaying content of a second graphical application window while in a first graphical application window, the first graphical application window having input focus, in a windowed computing environment having a voice recognition engine, comprising the steps of:
  - associating a retriever with the windowed computing environment wherein the retriever is enabled to open a specified graphical application window,
  - associating a focuser with the windowed computing environment wherein the focuser is enabled to give input focus to a graphical application window,

associating a user command receiver with the windowed computing environment wherein the user command receiver is enabled to receive commands from the voice recognition engine to retrieve a specified graphical application window,

associating an application manager with the windowed computing environment, wherein the application manager, upon receipt of a command from user command receiver:

invokes the retriever, specifying the second graphical application,

invokes the focuser, specifying the first graphical application window.

10. The method of claim 9 wherein when the second graphical application window is opened and has focus, hyperlinks in the second graphical application window are located and labeled with a unique predefined visual cue.
11. The method of claim 9 wherein the voice recognition engine further includes a command list, wherein when the second graphical application window is displayed and has focus, hyperlinks in the second graphical application window are retrieved and added to the command list.
12. A system for following hyperlinks in a second graphical application window containing at least one hyperlink, while in a first graphical application window having input focus, in a windowed computing environment having a voice recognition engine comprising:
  - a focuser wherein the focuser is enabled to give input focus to a graphical application window,
  - a speech simulator wherein the speech simulator is enabled to send voice commands to the voice recognition engine,

a user command receiver wherein the user command receiver is enabled to receive the name of a hyperlink from the voice recognition engine,

an application manager, wherein the application manager, upon receipt of a command identifying a specified hyperlink:

invokes the focuser, specifying the second graphical application window,

invokes the speech simulator, specifying the hyperlink name, wherein the hyperlink is followed,

invokes the focuser, specifying the first graphical application window.

13. The system of claim 12 wherein the first graphical application window and second graphical application window are resized and positioned wherein neither graphical application window overlaps the other.
14. The system of claim 12 wherein the focuser preserves mouse position.
15. The system of claim 12 wherein the first and second graphical application windows are resized and positioned on a plurality of display monitors.
16. The system of claim 12 wherein the second graphical application window is a help application.
17. The system of claim 12 wherein the second graphical application window is an Internet browser application.
18. A method for following hyperlinks in a second graphical application window containing at least one hyperlink, while in a first graphical application window having

input focus, in a windowed computing environment having a voice recognition engine comprising the steps of:

associating a focuser with the windowed computing environment wherein the focuser is enabled to give input focus to a graphical application window,

associating a speech simulator with the windowed computing environment wherein the speech simulator is enabled to send voice commands to the voice recognition engine,

associating a user command receiver with the windowed computing environment wherein the user command receiver is enabled to receive the name of a hyperlink from the voice recognition engine,

associating an application manager with the windowed computing environment, wherein the application manager, upon receipt of a command identifying a specified hyperlink:

invokes the focuser, specifying the second graphical application window,

invokes the speech simulator, specifying the hyperlink name, wherein the hyperlink is followed,

invokes the focuser, specifying the first graphical application window.

19. A system for controlling a second graphical application window while in a first graphical application window, the first graphical application window having input focus, in a windowed computing environment having a voice recognition engine, comprising:

a switcher wherein the switcher is enabled to switch to a specified graphical application window when invoked,

a focuser wherein the focuser is enabled to give input focus to a graphical application window,

a pauser wherein the pauser is enabled to keep input focus in a second graphical application window until a preset condition is met, enabling said window for voice input,

a user command receiver wherein the user command receiver is enabled to receive commands from the voice recognition engine,

an application manager, wherein the application manager, upon receipt of a command from user command receiver:

retrieves the name of the first graphical application window,

invokes the switcher, wherein the switcher gives input focus to a specified graphical application window,

invokes the pauser, wherein the pauser keeps input focus in the second graphical application window until a preset condition is met, enabling the said window for voice input,

invokes the focuser, specifying the first graphical application window.

20. The system of claim 19 wherein the command received from the voice recognition engine is a hyperlink command.

21. The system of claim 19 wherein the command received from the voice recognition engine is a command word.
22. The system of claim 19 wherein the command received from the voice recognition engine is a voice dictation.
23. The system of claim 19 wherein the first graphical application window and second graphical application window are resized and positioned wherein neither graphical application window overlaps the other.
24. The system of claim 19 wherein the second graphical application window is a help application.
25. The system of claim 19 wherein the second graphical application window is an Internet browser application.
26. A method for controlling a second graphical application window while in a first graphical application window, the first graphical application window having input focus, in a windowed computing environment having a voice recognition engine, comprising the steps of:

associating a switcher with the windowed computing environment wherein the switcher is enabled to switch to a specified graphical application window when invoked,

associating a focuser with the windowed computing environment wherein the focuser is enabled to give input focus to a graphical application window,

associating a pauser with the windowed computing environment wherein the pauser is enabled to keep input focus in a second graphical application window until a preset condition is met, enabling said window for voice input,

associating a user command receiver with the windowed computing environment wherein the user command receiver is enabled to receive commands from the voice recognition engine,

associating an application manager with the windowed computing environment, wherein the application manager, upon receipt of a command from user command receiver:

retrieves the name of the first graphical application window,

invokes the switcher, wherein the switcher gives input focus to a specified graphical application window,

invokes the pauser, wherein the pauser keeps input focus in the second graphical application window until a preset condition is met, enabling the said window for voice input,

invokes the focuser, specifying the first graphical application window.

27. A system for controlling a second graphical application window while in a first graphical application window, the first graphical application window having input focus, in a windowed computing environment having a voice recognition engine, comprising:

a focuser wherein the focuser is enabled to give input focus to a graphical application window,

a speech simulator wherein the speech simulator is enabled to send voice commands to the voice recognition engine,



a user command receiver wherein the user command receiver is enabled to receive the name of a hyperlink from the voice recognition engine,

an application manager, wherein the application manager, upon receipt of a command identifying a specified hyperlink:

invokes the focuser, specifying the second graphical application window,

invokes the speech simulator, specifying the hyperlink name, wherein the hyperlink is followed,

invokes the focuser, specifying the first graphical application window.

28. The system of claim 27 wherein the first graphical application window and second graphical application window are resized and positioned wherein neither graphical application window overlaps the other.
29. The system of claim 27 wherein the second graphical application window is a help application.
30. The system of claim 27 wherein the second graphical application window is an Internet browser application.
31. A method for controlling a second graphical application window while in a first graphical application window, the first graphical application window having input focus, in a windowed computing environment having a voice recognition engine, comprising the steps of:

associating a focuser with the windowed computing environment wherein the focuser is enabled to give input focus to a graphical application window,

associating a speech simulator with the windowed computing environment wherein the speech simulator is enabled to send voice commands to the voice recognition engine,

associating a user command receiver with the windowed computing environment wherein the user command receiver is enabled to receive the name of a hyperlink from the voice recognition engine,

associating an application manager with the windowed computing environment, wherein the application manager, upon receipt of a command identifying a specified hyperlink:

invokes the focuser, specifying the second graphical application window,

invokes the speech simulator, specifying the hyperlink name, wherein the hyperlink is followed,

invokes the focuser, specifying the first graphical application window.

32. A system for a computer user in a first graphical window application, the first graphical window application having input focus, to copy text from a second graphical application window, in a windowed computing environment having voice recognition, comprising:

a focuser wherein the focuser is enabled to give input focus to a graphical application window,

a copy unit wherein the copy unit is enabled to copy text selected by the computer user,

a user command receiver wherein the user command receiver is enabled to receive commands from the voice recognition engine,

an application manager, wherein the application manager, upon receipt of a command identifying a specified hyperlink:

invokes the focuser, specifying the second graphical application window,

invokes the copying unit wherein the copy unit waits for the computer user to select text and once text is selected, copies all selected text,

invokes the focuser, specifying the first graphical application window,

pastes the copied text.

33. The system of claim 32 wherein the second graphical application window is a help application.

34. The system of claim 32 wherein the second graphical application window is an Internet browser application.

35. A method for a computer user in a first graphical window application, the first graphical window application having input focus, to copy text from a second graphical application window, in a windowed computing environment having voice recognition, comprising the steps of:

associating a focuser with the windowed computing environment wherein the focuser is enabled to give input focus to a graphical application window,

associating a copy unit with the windowed computing environment wherein the copy unit is enabled to copy text selected by the computer user,

associating a user command receiver with the windowed computing environment wherein the user command receiver is enabled to receive commands from the voice recognition engine,

associating an application manager with the windowed computing environment, wherein the application manager, upon receipt of a command identifying a specified hyperlink:

invokes the focuser, specifying the second graphical application window,

invokes the copying unit wherein the copy unit waits for the computer user to select text and once text is selected, copies all selected text,

invokes the focuser, specifying the first graphical application window,

pastes the copied text.